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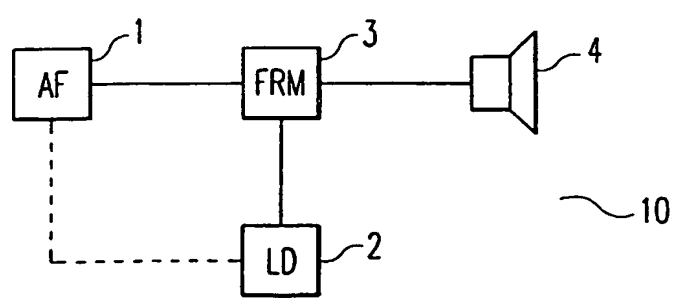
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(54) Title: SIGNAL STRENGTH INFORMATION DEPENDENT CONTROL OF SMALL ELECTRODYNAMIC TRANSDUCERS IN AUDIO SYSTEMS



(57) Abstract: A control circuit for a signal strength information dependant frequency response adaptation of an audio signal for an electrodynamic transducer (4), with a signal strength information determination means (2, 6) for determining a signal strength information according to the level of the audio signal, and a modifying means (3) for frequency selectively modifying the audio signal in response to the signal strength information such, that the electrodynamic transducer (4) converts the audio signal into a low distortion sound signal for high levels of an audio signal and with a flat frequency response for low levels of an audio signal, whereby

a lower frequency range of the audio signal is modified with a gain different to a gain of a higher frequency range of the audio signal and a frequency separating the lower frequency range from the higher frequency range is shifted towards higher values for an increasing level of the audio signal and towards lower values for a decreasing level of the audio signal. The present invention further proposes a mobile telecommunication terminal with an accordingly designed control circuit.

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